

| L Number | Hits | Search Text   | DB    | Time stamp       |
|----------|------|---|-------|------------------|
| 1        | 96   | 725/58.ccls.  | USPAT | 2004/04/05 09:15 |
| 2        | 92   | 725/58.ccls. and (trigger\$3 or control\$4 or reserv\$6) same (record\$5 or preserv\$3 or stor\$3)  | USPAT | 2004/04/05 09:16 |
| 3        | 61   | (725/58.ccls. and (trigger\$3 or control\$4 or reserv\$6) same (record\$5 or preserv\$3 or stor\$3)) and (schedul\$3 or un\$lschedul\$3)  | USPAT | 2004/04/05 09:20 |
| 4        | 54   | ((725/58.ccls. and (trigger\$3 or control\$4 or reserv\$6) same (record\$5 or preserv\$3 or stor\$3)) and (schedul\$3 or un\$lschedul\$3)) and (ipg or epq or program\$lguide or schedule)  | USPAT | 2004/04/05 09:18 |
| 5        | 0    | ((725/58.ccls. and (trigger\$3 or control\$4 or reserv\$6) same (record\$5 or preserv\$3 or stor\$3)) and (schedul\$3 or un\$lschedul\$3)) and (ipg or epq or program\$lguide or schedule)) and (un\$lschedul\$3 with (chang\$3 or adjust\$5))                        | USPAT | 2004/04/05 09:20 |
| 6        | 1    | ((725/58.ccls. and (trigger\$3 or control\$4 or reserv\$6) same (record\$5 or preserv\$3 or stor\$3)) and (schedul\$3 or un\$lschedul\$3)) and (ipg or epq or program\$lguide or schedule)) and ((un\$lschedul\$3 or overtime) with (chang\$3 or adjust\$5))          | USPAT | 2004/04/05 09:52 |
| 7        | 2    | ((725/58.ccls. and (trigger\$3 or control\$4 or reserv\$6) same (record\$5 or preserv\$3 or stor\$3)) and (schedul\$3 or un\$lschedul\$3)) and (ipg or epq or program\$lguide or schedule)) and (over\$1time)   | USPAT | 2004/04/05 09:49 |
| 8        | 16   | ("4963994"   "5485219"   "5579055"   "5588866"   "5699107"   "5699125"   "5751282"   "5754258"   "5805763"   "5815145"   "5844595"   "5867208"   "6141488"   "6173112"   "6226444"   "6400406").PN.   | USPAT | 2004/04/05 09:51 |
| 9        | 304  | ((un\$lschedul\$3 or overtime) with (chang\$3 or adjust\$5))  | USPAT | 2004/04/05 09:55 |
| 10       | 0    | ("4963994"   "5485219"   "5579055"   "5588866"   "5699107"   "5699125"   "5751282"   "5754258"   "5805763"   "5815145"   "5844595"   "5867208"   "6141488"   "6173112"   "6226444"   "6400406").PN.) and ((un\$lschedul\$3 or overtime) with (chang\$3 or adjust\$5)) | USPAT | 2004/04/05 09:52 |
| 11       | 6    | ((un\$lschedul\$3 or overtime) with (chang\$3 or adjust\$5)) and 725/\$.ccls.   | USPAT | 2004/04/05 11:16 |
| 12       | 865  | 725/34-54.ccls.   | USPAT | 2004/04/05 13:06 |
| 13       | 836  | 725/34-54.ccls. and (transmi\$7 or send\$3 or updat\$3)   | USPAT | 2004/04/05 11:18 |
| 14       | 816  | 725/34-54.ccls. and (transmi\$7 or send\$3)   | USPAT | 2004/04/05 11:18 |
| 15       | 797  | 725/34-54.ccls. and (transmi\$7)  | USPAT | 2004/04/05 11:19 |
| 16       | 56   | (725/34-54.ccls. and (transmi\$7)) and 725/54.ccls.   | USPAT | 2004/04/05 14:20 |
| 17       | 160  | 725/34-54.ccls. and (two with broadcast\$4)   | USPAT | 2004/04/05 12:28 |
| 18       | 98   | (725/34-54.ccls. and (two with broadcast\$4)) and (ipg or epq or program\$lguide\$1 or schedule)  | USPAT | 2004/04/05 11:22 |

|    |     |   |       |                  |
|----|-----|---|-------|------------------|
| 19 | 36  | (725/34-54.ccls. and (two with broadcast\$4)) and (broadcast\$4 with (exchang\$3 or send\$3 or interpret\$3) with (data or information or epq or ipg or guide\$1 or program\$1guide\$1))  | USPAT | 2004/04/05 11:58 |
| 20 | 0   | ((725/34-54.ccls. and (two with broadcast\$4)) and (broadcast\$4 with (exchang\$3 or send\$3 or interpret\$3) with (data or information or epq or ipg or guide\$1 or program\$1guide\$1))) and (inter\$1station\$1)   | USPAT | 2004/04/05 11:28 |
| 21 | 0   | 725/34-54.ccls. and (inter\$1station\$1)  | USPAT | 2004/04/05 11:28 |
| 22 | 160 | (725/34-54.ccls. and (two with broadcast\$4)) and ((broadcast\$4 with (exchang\$3 or send\$3 or interpret\$3)) with2 (data or information or epq or ipg or guide\$1 or program\$1guide\$1) with2 ((another or second\$3) near5 broadcast\$3))                                       | USPAT | 2004/04/05 12:02 |
| 23 | 2   | (725/34-54.ccls. and (two with broadcast\$4)) and ((broadcast\$4 with (exchang\$3 or send\$3 or interpret\$3)) with (data or information or epq or ipg or guide\$1 or program\$1guide\$1) with ((another or second\$3) near5 broadcast\$3))   | USPAT | 2004/04/05 12:02 |
| 27 | 4   | ("5576755"   "5579055"   "5666645"   "6005562").PN.   | USPAT | 2004/04/05 12:13 |
| 28 | 16  | (provid\$3 or exchang\$3 or transmi\$6) with (ipg or epq or program\$1guide\$1 or schedul\$3) with ((another or other or second\$4) near3 (broadcast\$3))   | USPAT | 2004/04/05 12:32 |
| 29 | 292 | 725/34-54.ccls. and ((two or another or other or second\$4) with broadcast\$4)  | USPAT | 2004/04/05 12:29 |
| 30 | 203 | (725/34-54.ccls. and ((two or another or other or second\$4) with broadcast\$4)) and (ipg or epq or program\$1guide or schedul\$3)  | USPAT | 2004/04/05 12:29 |
| 31 | 201 | ((725/34-54.ccls. and ((two or another or other or second\$4) with broadcast\$4)) and (ipg or epq or program\$1guide or schedul\$3)) and ((exchang\$3 or swap\$5 or replac\$3) with2 (ipg or epq or guide or menu or schedule or program\$1guide))                                  | USPAT | 2004/04/05 12:31 |
| 32 | 173 | ((725/34-54.ccls. and ((two or another or other or second\$4) with broadcast\$4)) and (ipg or epq or program\$1guide or schedul\$3)) and ((exchang\$3 or swap\$5 or replac\$3) with2 (ipg or epq or guide or menu or schedule or program\$1guide))) and (provid\$3) and (receiv\$3) | USPAT | 2004/04/05 13:00 |
| 33 | 10  | (provid\$3 or exchang\$3 or transmi\$6) near3 (ipg or epq or program\$1guide\$1 or schedul\$3) with ((another or other or second\$4) near3 (broadcast\$3))  | USPAT | 2004/04/05 12:33 |
| 34 | 5   | (broadcast\$3) near4 (exchang\$3 or swap\$5 or replac\$3) near4 (ipg or epq or guide or program\$1guide or schedul\$4)  | USPAT | 2004/04/05 12:35 |
| 35 | 704 | (broadcast\$3 or station\$1) near3 (exchang\$3) near3 (information or program\$1guide or ipg or epq)  | USPAT | 2004/04/05 13:01 |
| 37 | 10  | ((broadcast\$3 or station\$1) near3 (exchang\$3) near3 (information or program\$1guide or ipg or epq)) and 725/\$.ccls.   | USPAT | 2004/04/05 13:02 |
| 38 | 57  | 725/54.ccls.  | USPAT | 2004/04/05 13:31 |
| 39 | 115 | 725/109.ccls.   | USPAT | 2004/04/05 13:55 |

|    |       |  |         |                     |
|----|-------|--|---------|---------------------|
| 40 | 10    | ("4682370"   "5289288"   "5440351"  <br>"5585858"   "5764965"   "5894320"  <br>"5900908"   "5930444"   "6018768"  <br>"6209028"   "2001/0025377").PN.  | USPAT   | 2004/04/05<br>13:49 |
| 41 | 51    | 725/50.ccls.   | USPAT   | 2004/04/05<br>13:55 |
| 42 | 683   | 725/39-54,109.ccls.  | USPAT   | 2004/04/05<br>14:20 |
| 43 | 18024 | (two\$1way or exchang\$3 or synchroniz\$6)<br>same (information or data or program\$4)<br>same (broadcast\$3 or station\$1 or<br>head\$lend\$1)  | USPAT   | 2004/04/05<br>14:26 |
| 44 | 127   | 725/39-54,109.ccls. and ((two\$1way or<br>exchang\$3 or synchroniz\$6) same<br>(information or data or program\$4) same<br>(broadcast\$3 or station\$1 or<br>head\$lend\$1))   | USPAT   | 2004/04/05<br>14:25 |
| 45 | 12878 | (two\$1way or exchang\$3 or synchroniz\$6)<br>with (information or data or program\$4)<br>same (broadcast\$3 or station\$1 or<br>head\$lend\$1)  | USPAT   | 2004/04/05<br>14:26 |
| 46 | 100   | 725/39-54,109.ccls. and ((two\$1way or<br>exchang\$3 or synchroniz\$6) with<br>(information or data or program\$4) same<br>(broadcast\$3 or station\$1 or<br>head\$lend\$1))   | USPAT   | 2004/04/05<br>14:36 |
| 47 | 316   | (two\$1way) with (communication\$1 or<br>exchang\$3 or swap) with (head\$lend\$1 or<br>station\$1 or broadcast\$3)   | DERWENT | 2004/04/05<br>14:46 |
| 48 | 0     | ((two\$1way) with (communication\$1 or<br>exchang\$3 or swap) with (head\$lend\$1 or<br>station\$1 or broadcast\$3)) and (exchang\$3<br>with (ipg or epq or program\$1guide\$1 or<br>guide\$1))  | DERWENT | 2004/04/05<br>14:37 |
| 49 | 7     | ((two\$1way) with (communication\$1 or<br>exchang\$3 or swap) with (head\$lend\$1 or<br>station\$1 or broadcast\$3)) and (ipg or<br>epq or program\$1guide\$1 or guide\$1)   | DERWENT | 2004/04/05<br>14:39 |
| 50 | 48    | (ipg or epq or program\$1guide\$1 or<br>guide\$1) same (exchange) and (head\$lend<br>or station\$1 or broadcast\$3)  | JPO     | 2004/04/05<br>14:47 |
| 51 | 0     | ((two\$1way) with (communication\$1 or<br>exchang\$3 or swap) with (head\$lend\$1 or<br>station\$1 or broadcast\$3)) and<br>725/\$.ccls.   | DERWENT | 2004/04/05<br>14:46 |
| 52 | 0     | ((two\$1way) with (communication\$1 or<br>exchang\$3 or swap) with (head\$lend\$1 or<br>station\$1 or broadcast\$3)) and<br>348/\$.ccls.   | DERWENT | 2004/04/05<br>14:46 |
| 53 | 0     | ((two\$1way) with (communication\$1 or<br>exchang\$3 or swap) with (head\$lend\$1 or<br>station\$1 or broadcast\$3)) and<br>725/\$.ccls.   | USPAT   | 2004/04/05<br>14:46 |
| 54 | 2062  | (two\$1way) with (communication\$1 or<br>exchang\$3 or swap) with (head\$lend\$1 or<br>station\$1 or broadcast\$3)   | USPAT   | 2004/04/05<br>14:46 |
| 55 | 228   | ((two\$1way) with (communication\$1 or<br>exchang\$3 or swap) with (head\$lend\$1 or<br>station\$1 or broadcast\$3)) and 725/<br>725/\$.ccls.  | USPAT   | 2004/04/05<br>14:46 |
| 57 | 832   | (ipg or epq or program\$1guide\$1 or<br>guide\$1) same (exchange) and (head\$lend<br>or station\$1 or broadcast\$3)  | USPAT   | 2004/04/05<br>14:47 |
| 58 | 0     | ((two\$1way) with (communication\$1 or<br>exchang\$3 or swap) with (head\$lend\$1 or<br>station\$1 or broadcast\$3)) and<br>725/\$.ccls.) and ((ipg or epq or<br>program\$1guide\$1 or guide\$1) same<br>(exchange) and (head\$lend or station\$1 or<br>broadcast\$3)) | USPAT   | 2004/04/05<br>14:47 |

|    |      |  |  |                     |
|----|------|--|--|---------------------|
| 56 | 185  | ((two\$1way) with (communication\$1 or<br>exchang\$3 or swap) with (head\$1lend\$1 or<br>station\$1 or broadcast\$3)) and<br>725/\$.ccls.    | USPAT  | 2004/04/05<br>14:47 |
| -  | 38   | 725/47.ccls.   | USPAT  | 2004/04/05<br>09:14 |
| -  | 38   | 725/49.ccls.   | USPAT  | 2004/01/05<br>14:27 |
| -  | 171  | 725/39.ccls.   | USPAT  | 2004/01/05<br>14:28 |
| -  | 37   | 725/44.ccls.   | USPAT  | 2004/01/05<br>14:27 |
| -  | 1    | (725/39.ccls. and guide) and (central\$4<br>adj4 stor\$4)  | USPAT  | 2004/01/05<br>14:29 |
| -  | 137  | 725/39.ccls. and guide   | USPAT  | 2004/01/05<br>15:04 |
| -  | 6    | central\$ adj2 program\$5 adj2 guide   | USPAT  | 2004/01/05<br>15:32 |
| -  | 1    | (central\$ adj2 program\$5 adj2 guide) adj2<br>(server or storage)   | USPAT  | 2004/01/05<br>15:33 |
| -  | 19   | 725/48.ccls. and (program\$5 adj2 guide)   | USPAT  | 2004/01/05<br>16:51 |
| -  | 19   | (725/48.ccls. and (program\$5 adj2 guide))<br>and (broadcast\$4 or server or storage)  | USPAT  | 2004/01/14<br>14:16 |
| -  | 4    | ("5576755"   "5579055"   "5666645"  <br>"6005562").PN.   | USPAT  | 2004/01/05<br>15:40 |
| -  | 15   | 725/\$.ccls. and (hendricks.in. and CAP)   | USPAT  | 2004/01/05<br>16:18 |
| -  | 19   | 725/48.ccls. and (program\$5 adj2 guide)   | USPAT  | 2004/01/05<br>16:36 |
| -  | 31   | 725/47.ccls. and (program\$5 adj2 guide)   | USPAT  | 2004/01/05<br>16:51 |
| -  | 592  | 725/114-117.ccls.  | USPAT  | 2004/03/02<br>16:41 |
| -  | 47   | 725/114-117.ccls. and (program\$5 adj2<br>guide)   | USPAT  | 2004/01/05<br>16:51 |
| -  | 47   | (725/114-117.ccls. and (program\$5 adj2<br>guide)) and (broadcast\$4 or server or<br>storage)  | USPAT  | 2004/01/05<br>16:52 |
| -  | 9    | ((725/114-117.ccls. and (program\$5 adj2<br>guide)) and (broadcast\$4 or server or<br>storage)) and ((program\$5 adj2 guide)<br>adj5 server) | USPAT  | 2004/01/05<br>17:11 |
| -  | 1    | "5550576".PN.  | USPAT  | 2004/01/05<br>16:55 |
| -  | 1    | "5699107".PN.  | USPAT  | 2004/01/05<br>16:59 |
| -  | 202  | program\$5 adj2 (guide or menu) adj5<br>server   | USPAT;<br>US-PGPUB;<br>EPO                         | 2004/01/05<br>17:11 |
| -  | 21   | (program\$5 adj2 (guide or menu) adj5<br>server) and 725/\$.ccls.  | USPAT;<br>US-PGPUB;<br>EPO                         | 2004/01/05<br>17:13 |
| -  | 0    | ((program\$5 adj2 (guide or menu) adj5<br>server) and 725/\$.ccls.) and<br>broadcaster\$2  | USPAT;<br>US-PGPUB;<br>EPO                         | 2004/01/05<br>17:13 |
| -  | 125  | (program\$5 adj2 (guide or menu) adj5<br>server) and 725/\$.ccls.  | USPAT;<br>US-PGPUB;<br>EPO                         | 2004/01/05<br>17:13 |
| -  | 7191 | 725/\$.ccls.   | USPAT;<br>US-PGPUB;<br>EPO;<br>DERWENT;<br>IBM TDB | 2004/01/06<br>08:33 |
| -  | 2    | 725/\$.ccls. and (package near2 program\$5<br>adj2 guide)  | USPAT;<br>US-PGPUB;<br>EPO;<br>DERWENT;<br>IBM TDB | 2004/01/06<br>08:52 |

|   |       |  |  |                     |
|---|-------|--|--|---------------------|
| - | 185   | klosterman.in.   | USPAT;<br>US-PGPUB;<br>EPO;<br>DERWENT;<br>IBM_TDB | 2004/01/06<br>08:52 |
| - | 19    | 725/\$.ccls. and klosterman.in.  | USPAT;<br>US-PGPUB;<br>EPO;<br>DERWENT;<br>IBM_TDB | 2004/01/06<br>09:23 |
| - | 61    | wugofski.in.   | USPAT;<br>US-PGPUB;<br>EPO;<br>DERWENT;<br>IBM_TDB | 2004/01/06<br>08:54 |
| - | 7     | 725/\$.ccls. and wugofski.in.  | USPAT;<br>US-PGPUB;<br>EPO;<br>DERWENT;<br>IBM_TDB | 2004/01/06<br>08:59 |
| - | 2627  | (program adj2 guide) and (server or storage)                                 | USPAT;<br>US-PGPUB;<br>EPO;<br>DERWENT;<br>IBM_TDB | 2004/01/06<br>09:05 |
| - | 19    | klosterman.in. and ((program adj2 guide) and (server or storage))            | USPAT;<br>US-PGPUB;<br>EPO;<br>DERWENT;<br>IBM_TDB | 2004/01/06<br>09:00 |
| - | 22    | ((program adj2 guide) and (server or storage)) and "master program guide"    | USPAT;<br>US-PGPUB;<br>EPO;<br>DERWENT;<br>IBM_TDB | 2004/01/06<br>09:05 |
| - | 40    | 725/59.ccls.   | USPAT;<br>US-PGPUB;<br>EPO;<br>DERWENT;<br>IBM_TDB | 2004/01/06<br>09:23 |
| - | 9     | 725/59.ccls. and ((program adj2 guide) and (server or storage))              | USPAT;<br>US-PGPUB;<br>EPO;<br>DERWENT;<br>IBM_TDB | 2004/01/06<br>09:57 |
| - | 2     | 5805204.pn.  | USPAT;<br>US-PGPUB;<br>EPO;<br>DERWENT;<br>IBM_TDB | 2004/01/06<br>10:14 |
| - | 92451 | (epg or guide or schedule\$3) and (transmit or broadcast)                    | USPAT;<br>US-PGPUB;<br>EPO;<br>DERWENT;<br>IBM_TDB | 2004/01/06<br>10:16 |
| - | 2872  | ((epg or guide or schedule\$3) and (transmit or broadcast)) and 725/\$.ccls. | USPAT;<br>US-PGPUB;<br>EPO;<br>DERWENT;<br>IBM_TDB | 2004/01/06<br>10:15 |
| - | 49841 | 348/\$.ccls.   | USPAT;<br>US-PGPUB;<br>EPO;<br>DERWENT;<br>IBM_TDB | 2004/01/06<br>10:15 |
| - | 2327  | ((epg or guide or schedule\$3) and (transmit or broadcast)) and 348/\$.ccls. | USPAT;<br>US-PGPUB;<br>EPO;<br>DERWENT;<br>IBM_TDB | 2004/01/06<br>10:15 |

|   |       |   |  |                     |
|---|-------|---|--|---------------------|
| - | 12749 | (epg or guide or schedule\$3) with (transmit or broadcast)  | USPAT;<br>US-PGPUB;<br>EPO;<br>DERWENT;<br>IBM_TDB | 2004/01/06<br>10:16 |
| - | 533   | 348/\$.ccls. and ((epg or guide or schedule\$3) with (transmit or broadcast))   | USPAT;<br>US-PGPUB;<br>EPO;<br>DERWENT;<br>IBM_TDB | 2004/01/06<br>10:16 |
| - | 1418  | 725/\$.ccls. and ((epg or guide or schedule\$3) with (transmit or broadcast))   | USPAT;<br>US-PGPUB;<br>EPO;<br>DERWENT;<br>IBM_TDB | 2004/01/06<br>10:16 |
| - | 727   | (725/\$.ccls. and ((epg or guide or schedule\$3) with (transmit or broadcast))) and ((program adj2 guide) and (server or storage))                          | USPAT;<br>US-PGPUB;<br>EPO;<br>DERWENT;<br>IBM_TDB | 2004/01/06<br>10:17 |
| - | 43    | ((725/\$.ccls. and ((epg or guide or schedule\$3) with (transmit or broadcast))) and ((program adj2 guide) and (server or storage))) and 725/48,49,59.ccls. | USPAT;<br>US-PGPUB;<br>EPO;<br>DERWENT;<br>IBM_TDB | 2004/01/06<br>10:40 |
| - | 2     | 6591421.pn.   | USPAT;<br>US-PGPUB;<br>EPO;<br>DERWENT;<br>IBM_TDB | 2004/01/06<br>10:18 |
| - | 2591  | barton.in.  | USPAT  | 2004/01/06<br>10:22 |
| - | 1     | barton.in. and 725/\$.ccls.   | USPAT;<br>US-PGPUB;<br>EPO;<br>DERWENT;<br>IBM_TDB | 2004/01/06<br>10:22 |
| - | 2     | 6147642.pn.   | USPAT;<br>US-PGPUB;<br>EPO;<br>DERWENT;<br>IBM_TDB | 2004/01/06<br>10:29 |
| - | 2     | 5808694.pn.   | USPAT;<br>US-PGPUB;<br>EPO;<br>DERWENT;<br>IBM_TDB | 2004/01/06<br>10:40 |
| - | 49    | 725/36.ccls.  | USPAT  | 2004/01/08<br>11:25 |
| - | 14    | 725/36.ccls. and (guide)  | USPAT  | 2004/01/08<br>11:26 |
| - | 4     | (electronic adj2 program\$4 adj2 (guide or schedule or menu)) near2 (update or error\$1check\$4 or error\$2 or evaluate)                                    | USPAT  | 2004/01/08<br>12:37 |
| - | 391   | (electronic adj2 program\$4 adj2 (guide or schedule or menu)) and (update or error\$1check\$4 or error\$2 or evaluate)                                      | USPAT  | 2004/01/08<br>12:37 |
| - | 15    | (electronic adj2 program\$4 adj2 (guide or schedule or menu)) with (update or error\$1check\$4 or error\$2 or evaluate)                                     | USPAT  | 2004/01/08<br>14:13 |
| - | 5     | (electronic adj2 program\$4 adj2 (guide or schedule or menu)) with (error\$1check\$4 or error\$2 or evaluate)   | USPAT  | 2004/01/08<br>14:25 |
| - | 46    | (program\$4 adj2 (guide or schedule or menu)) with (error\$1check\$4 or error\$3 or evaluate)   | USPAT  | 2004/01/08<br>14:25 |
| - | 20    | ((program\$4 adj2 (guide or schedule or menu)) with (error\$1check\$4 or error\$3 or evaluate)) and television  | USPAT  | 2004/01/08<br>14:59 |

|   |       |  |                                 |                     |
|---|-------|--|---------------------------------|---------------------|
| - | 8855  | ((EPG or IPG) or ((program or TV or television or menu) adj3 (guide\$1 or listing\$1 or schedul\$3))   | USPAT                           | 2004/01/09<br>10:11 |
| - | 1026  | ((EPG or IPG) or ((program or TV or television or menu) adj3 (guide\$1 or listing\$1 or schedul\$3))<br>) and 725/\$.ccls.   | USPAT                           | 2004/01/08<br>15:16 |
| - | 451   | ((EPG or IPG) or ((program or TV or television or menu) adj3 (guide\$1 or listing\$1 or schedul\$3))<br>) and 725/39-55,48,50.ccls.  | USPAT                           | 2004/01/08<br>15:17 |
| - | 64    | ((EPG or IPG) or ((program or TV or television or menu) adj3 (guide\$1 or listing\$1 or schedul\$3))<br>) and 725/48,50.ccls.  | USPAT                           | 2004/01/08<br>15:20 |
| - | 98    | ((EPG or IPG) or ((program or TV or television or menu) adj3 (guide\$1 or listing\$1 or schedul\$3))<br>) and 725/39-55,48,50.ccls.) and (error adj4 (correction\$2 or detection\$2 or detect\$2)) | USPAT                           | 2004/01/08<br>15:20 |
| - | 2     | 725/144-147.ccls. and 725/39-55.ccls.  | USPAT                           | 2004/01/12<br>13:21 |
| - | 202   | 725/144-147.ccls.  | USPAT                           | 2004/01/12<br>13:21 |
| - | 1222  | (broadcast\$3 or provider) same ((EPG or IPG) or ((program or TV or television or menu) adj3 (guide\$1 or listing\$1 or schedul\$3)))  | USPAT                           | 2004/01/12<br>13:22 |
| - | 9     | 725/144-147.ccls. and ((broadcast\$3 or provider) same ((EPG or IPG) or ((program or TV or television or menu) adj3 (guide\$1 or listing\$1 or schedul\$3)))<br>)                                  | USPAT                           | 2004/01/12<br>13:22 |
| - | 4257  | 725/\$.ccls.   | USPAT                           | 2004/01/12<br>13:24 |
| - | 655   | 725/\$.ccls. and ((broadcast\$3 or provider) same ((EPG or IPG) or ((program or TV or television or menu) adj3 (guide\$1 or listing\$1 or schedul\$3)))<br>)                                       | USPAT                           | 2004/01/12<br>13:25 |
| - | 85    | (provide or generate or create) same (EPG)   | USPAT                           | 2004/01/12<br>13:25 |
| - | 79    | ((provide or generate or create) same (EPG)) and (broadcast\$3 or provid\$4)   | USPAT                           | 2004/01/12<br>14:47 |
| - | 25    | 725/48.ccls.   | USPAT                           | 2004/01/12<br>14:47 |
| - | 40    | 725/48.ccls.   | USPAT;<br>US-PGPUB              | 2004/01/20<br>16:14 |
| - | 48    | 725/49.ccls.   | USPAT;<br>US-PGPUB              | 2004/01/12<br>15:13 |
| - | 378   | 725/39.ccls.   | USPAT;<br>US-PGPUB              | 2004/01/12<br>15:14 |
| - | 55    | 725/39.ccls.and ((provide or generate or create) same (EPG))   | USPAT;<br>US-PGPUB              | 2004/01/12<br>16:17 |
| - | 20083 | nakada.in.   | USPAT;<br>US-PGPUB;<br>EPO; JPO | 2004/01/12<br>15:46 |
| - | 5     | nakada.in. and (program adj2 guide adj3 information\$2)  | USPAT;<br>US-PGPUB;<br>EPO; JPO | 2004/01/12<br>15:53 |
| - | 1     | 5398074.pn.  | USPAT;<br>US-PGPUB;<br>EPO; JPO | 2004/01/12<br>15:53 |
| - | 1     | 5719637.pn.  | USPAT;<br>US-PGPUB;<br>EPO; JPO | 2004/01/12<br>15:54 |
| - | 1     | 5737029.pn.  | USPAT;<br>US-PGPUB;<br>EPO; JPO | 2004/01/12<br>15:57 |

|   |        |  |   |                     |
|---|--------|--|---|---------------------|
| - | 417981 | matsushita.as.   | USPAT;<br>US-PGPUB;<br>EPO; JPO                         | 2004/01/12<br>15:57 |
| - | 73     | matsushita.as. and (program adj2 guide<br>adj3 information\$2)   | USPAT;<br>US-PGPUB;<br>EPO; JPO                         | 2004/01/12<br>15:57 |
| - | 16     | 5808694.URPN.  | USPAT   | 2004/01/12<br>16:12 |
| - | 21     | 725/40.ccls.and ((provide or generate or<br>create) same (EPG))  | USPAT;<br>US-PGPUB                                      | 2004/01/12<br>16:20 |
| - | 14     | 725/44.ccls.and ((provide or generate or<br>create) same (EPG))  | USPAT;<br>US-PGPUB                                      | 2004/01/12<br>16:21 |
| - | 11     | 725/45.ccls.and ((provide or generate or<br>create) same (EPG))  | USPAT;<br>US-PGPUB                                      | 2004/01/12<br>16:23 |
| - | 7      | 725/54.ccls.and ((provide or generate or<br>create) same (EPG))  | USPAT;<br>US-PGPUB                                      | 2004/01/12<br>16:46 |
| - | 10417  | redundant and ((epg or ipg) adj3 (server<br>or provider or creator or broadcaster) or<br>server)   | USPAT;<br>US-PGPUB                                      | 2004/01/12<br>16:48 |
| - | 269    | (redundant and ((epg or ipg) adj3 (server<br>or provider or creator or broadcaster) or<br>server)) and 725/\$.ccls.  | USPAT;<br>US-PGPUB                                      | 2004/01/12<br>16:48 |
| - | 90     | ((redundant and ((epg or ipg) adj3<br>(server or provider or creator or<br>broadcaster) or server)) and 725/\$.ccls.)<br>and (redundant same ((epg or ipg) adj3<br>(server or provider or creator or<br>broadcaster) or server)) | USPAT;<br>US-PGPUB                                      | 2004/01/12<br>16:50 |
| - | 90     | ((redundant and ((epg or ipg) adj3<br>(server or provider or creator or<br>broadcaster) or server)) and 725/\$.ccls.)<br>and (redundant same ((epg or ipg) adj3<br>(server or provider or creator or<br>broadcaster) or server)) | USPAT;<br>US-PGPUB                                      | 2004/01/12<br>16:50 |
| - | 49     | ((redundant and ((epg or ipg) adj3<br>(server or provider or creator or<br>broadcaster) or server)) and 725/\$.ccls.)<br>and (redundant with ((epg or ipg) adj3<br>(server or provider or creator or<br>broadcaster) or server)) | USPAT;<br>US-PGPUB                                      | 2004/01/13<br>08:25 |
| - | 3796   | simpson.in.  | USPAT   | 2004/01/13<br>08:27 |
| - | 59     | simpson.in. and television   | USPAT   | 2004/01/13<br>08:27 |
| - | 6      | (simpson.in. and television) and (ipg or<br>epg or guide)  | USPAT   | 2004/01/13<br>08:29 |
| - | 245    | 348/707.ccls.  | USPAT;<br>US-PGPUB                                      | 2004/01/13<br>08:56 |
| - | 2      | 348/707.ccls. and (ipg or epg or guide or<br>schedule)   | USPAT;<br>US-PGPUB                                      | 2004/01/13<br>09:00 |
| - | 56     | (archive or redundant or redundancy or<br>backup or back\$1up or coherency or<br>coherent) same (ipg or epg)   | USPAT;<br>US-PGPUB                                      | 2004/01/13<br>09:01 |
| - | 8      | ((archive or redundant or redundancy or<br>backup or back\$1up or coherency or<br>coherent) same (ipg or epg)) and ((ipg or<br>epg) adj4 server\$2)  | USPAT;<br>US-PGPUB                                      | 2004/01/13<br>09:01 |
| - | 2      | 6160545.URPN.  | USPAT   | 2004/01/13<br>09:10 |
| - | 12     | ("5296932"   "5559548"   "5559550"  <br>"5576755"   "5619274"   "5635989"  <br>"5684525"   "5760821"   "5790198"  <br>"5805230"   "5808694"   "5812205").PN.   | USPAT   | 2004/01/13<br>09:11 |
| - | 40     | 725/48.ccls.   | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2004/01/13<br>11:00 |
| - | 4      | ("5576755"   "5579055"   "5666645"  <br>"6005562").PN.   | USPAT   | 2004/01/13<br>12:42 |
| - | 4      | ("5559548"   "5576755"   "5579055"  <br>"5585866").PN.   | USPAT   | 2004/01/13<br>15:01 |



|   |      |  |   |                     |
|---|------|--|---|---------------------|
| - | 4    | ("5559548"   "5576755"   "5579055"   "5585866").PN.  | USPAT   | 2004/01/14<br>12:04 |
| - | 7    | ("4639779"   "4706121"   "4945412"   "5283639"   "5323234"   "5353121"   "5416508").PN.  | USPAT   | 2004/01/14<br>12:05 |
| - | 38   | 5666645.URPN.  | USPAT   | 2004/01/14<br>12:09 |
| - | 25   | ("4751578"   "5321750"   "5404505"   "5515106"   "5552833"   "5559549"   "5579055"   "5592551"   "5594509"   "5652613"   "5657072"   "5666645"   "5686954"   "5699125"   "5734781"   "5760821"   "5973685"   "6057890"   "6216264"   "6216265"   "6311329"   "6374237"   "6446082"   "6460018"   "6507950"   "2002/0147976").PN. | USPAT   | 2004/01/14<br>12:16 |
| - | 2    | 5737028.pn. or 5808611.pn.   | USPAT   | 2004/01/14<br>14:10 |
| - | 5    | 5737028.pn. or 5808611.pn. or 60258371.pn. or 6362841.pn. or 6327628.pn. or 5515495.pn.  | USPAT   | 2004/01/14<br>14:11 |
| - | 3948 | ((program\$5 adj2 guide) or ((interactive or electronic) adj2 program\$4 adj2 (guide or schedule or menu))) and (broadcast\$4 or server or storage)  | USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB              | 2004/01/14<br>14:17 |
| - | 1524 | ((program\$5 adj2 guide) or ((interactive or electronic) adj2 program\$4 adj2 (guide or schedule or menu))) and (broadcast\$4 or server or storage)  | EPO; JPO;<br>DERWENT;<br>IBM_TDB                        | 2004/01/14<br>14:17 |
| - | 430  | ((program\$5 adj2 guide) or ((interactive or electronic) adj2 program\$4 adj2 (guide or schedule or menu))) and (broadcast\$4 or server or storage)  | JPO   | 2004/01/14<br>14:20 |
| - | 13   | ((program\$5 adj2 guide) or ((interactive or electronic) adj2 program\$4 adj2 (guide or schedule or menu))) and (broadcast\$4 or server or storage) and (creat\$4 or build\$3)   | JPO   | 2004/01/14<br>14:20 |
| - | 987  | ((program\$5 adj2 guide) or ((interactive or electronic) adj2 program\$4 adj2 (guide or schedule or menu))) and (broadcast\$4 or server or storage)  | DERWENT;<br>IBM_TDB                                     | 2004/01/14<br>14:20 |
| - | 0    | ((program\$5 adj2 guide) or ((interactive or electronic) adj2 program\$4 adj2 (guide or schedule or menu))) and (broadcast\$4 or server or storage) and (creat\$4 or build\$3)   | JPO   | 2004/01/14<br>14:20 |
| - | 0    | ((program\$5 adj2 guide) or ((interactive or electronic) adj2 program\$4 adj2 (guide or schedule or menu))) and (broadcast\$4 or server or storage) and (creat\$4 or build\$3)   | JPO   | 2004/01/14<br>14:20 |
| - | 107  | ((program\$5 adj2 guide) or ((interactive or electronic) adj2 program\$4 adj2 (guide or schedule or menu))) and (broadcast\$4 or server or storage)  | EPO   | 2004/01/14<br>14:55 |
| - | 0    | ((updat\$3 or revis\$3) near5 (IPG or EPG)) with (HE or head adj end\$2 or headend\$2 or server\$1 or suppl\$4)  | EPO   | 2004/01/14<br>14:56 |
| - | 31   | ((updat\$3 or revis\$3) near5 (IPG or EPG)) with (HE or head adj end\$2 or headend\$2 or server\$1 or suppl\$4)  | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2004/01/14<br>15:03 |
| - | 55   | ((updat\$3 or revis\$3) near5 (IPG or EPG)) same (HE or head adj end\$2 or headend\$2 or server\$1 or suppl\$4)  | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2004/01/14<br>15:08 |

|   |        |  |   |                     |
|---|--------|--|---|---------------------|
| - | 72     | ((updat\$3 or revis\$3) with (IPG or EPG)) same (HE or head adj end\$2 or headend\$2 or server\$1 or suppl\$4)   | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2004/01/14<br>15:08 |
| - | 379    | 725/39.ccls.   | USPAT;<br>US-PGPUB                                      | 2004/01/20<br>16:14 |
| - | 182    | 725/39.ccls. and (server or head\$lend)  | USPAT;<br>US-PGPUB                                      | 2004/01/20<br>16:30 |
| - | 125    | (ipg or epq) adj6 (creat\$4)   | USPAT;<br>US-PGPUB                                      | 2004/01/20<br>16:31 |
| - | 13     | ("4052719"   "4367488"   "4600921"  <br>"4707827"   "4710767"   "4829558"  <br>"4862268"   "4890319"   "4908707"  <br>"5121476"   "5260788"   "5282238"  <br>"5282249").PN.  | USPAT   | 2004/01/20<br>17:01 |
| - | 44     | 5579055.URPN.  | USPAT   | 2004/01/21<br>12:04 |
| - | 27     | 725/48.ccls.   | USPAT   | 2004/03/02<br>14:57 |
| - | 1      | 6314571.pn.  | USPAT   | 2004/03/02<br>16:47 |
| - | 4      | ("5576755"   "5579055"   "5666645"  <br>"6005562").PN.   | USPAT   | 2004/03/02<br>14:58 |
| - | 1      | 6314571.URPN.  | USPAT   | 2004/03/02<br>15:05 |
| - | 28     | ("4115846"   "4697209"   "4706121"  <br>"5151789"   "4706121"   "5353121"  <br>"5532754"   "5550576"   "5559548"  <br>"5629733"   "5635978"   "5686954"  <br>"5699107"   "5732338"   "5751282"  <br>"5751372"   "5758257"   "5760821"  <br>"5794207"   "5801753"   "5801787"  <br>"5805204"   "5805235"   "6133912"  <br>"6182287"   "6314571"   "6331852"  <br>"6397387"   "6536041").PN. | USPAT   | 2004/03/02<br>15:06 |
| - | 109984 | (schedule or egg or ipg or guide) same<br>(creat\$4 or mak\$3 or provid\$3)  | USPAT   | 2004/03/02<br>15:12 |
| - | 622    | ((schedule or egg or ipg or guide) same<br>(creat\$4 or mak\$3 or provid\$3)) and<br>725/\$.ccls.  | USPAT   | 2004/03/02<br>15:11 |
| - | 126    | ((schedule or egg or ipg or guide) same<br>(creat\$4 or mak\$3 or provid\$3)) and<br>725/\$.ccls.) and combine   | USPAT   | 2004/03/02<br>15:35 |
| - | 147343 | (schedule or egg or ipg or guide) same<br>(creat\$4 or mak\$3 or provid\$3)  | USPAT;<br>JPO   | 2004/03/02<br>15:12 |
| - | 115    | 725/32.ccls.   | USPAT   | 2004/03/02<br>15:35 |
| - | 51     | 725/32.ccls. and (guide or ipg or epq or<br>schedule)  | USPAT   | 2004/03/02<br>16:30 |
| - | 5377   | ogawa.in.  | USPAT   | 2004/03/02<br>16:31 |
| - | 1      | ogawa.in. and (program adj2 guide)   | USPAT   | 2004/03/02<br>16:31 |
| - | 885    | ogawa.in. and (guide)  | USPAT   | 2004/03/02<br>16:31 |
| - | 1      | (ogawa.in. and (guide)) and 725/\$.ccls.   | USPAT   | 2004/03/02<br>16:32 |
| - | 143    | 725/92.ccls.   | USPAT   | 2004/03/02<br>16:32 |
| - | 50     | 725/92.ccls. and (ipg or epq or guide or<br>schedule)  | USPAT   | 2004/03/02<br>16:33 |
| - | 20     | ((schedule or egg or ipg or guide) same<br>(creat\$4 or mak\$3 or provid\$3)) and<br>725/92.ccls.  | USPAT   | 2004/03/02<br>16:35 |
| - | 247    | 725/114.ccls.  | USPAT   | 2004/03/02<br>16:41 |
| - | 37     | ((schedule or egg or ipg or guide) same<br>(creat\$4 or mak\$3 or provid\$3)) and<br>725/114.ccls.   | USPAT   | 2004/03/02<br>16:46 |
| - | 43304  | 455/\$.ccls.   | USPAT   | 2004/03/02<br>16:47 |

|   |        |   |   |                  |
|---|--------|---|---|------------------|
| - | 32     | (455/\$.ccls. and ((schedule or egg or ipg or guide) same (creat\$4 or mak\$3 or provid\$3))) and 725/\$.ccls.  | USPAT                                       | 2004/03/03 08:09 |
| - | 7      | (program adj2 guide) with (data and collection)   | EPO; JPO; DERWENT; IBM_TDB                  | 2004/03/03 08:12 |
| - | 660    | (program adj2 guide) with (data or collection)  | EPO; JPO; DERWENT; IBM_TDB                  | 2004/03/03 08:13 |
| - | 20     | ((program adj2 guide) with (data or collection)) and ((ipg or epq) with (deliver\$3 or creat\$4 or distribut\$4))   | EPO; JPO; DERWENT; IBM_TDB                  | 2004/03/03 08:43 |
| - | 2      | ((ipg or epq) with (deliver\$3 or creat\$4 or distribut\$4) and (redundan\$4))  | EPO; JPO; DERWENT; IBM_TDB                  | 2004/03/03 08:44 |
| - | 94     | ((ipg or epq) with (deliver\$3 or creat\$4 or distribut\$4) and (redundan\$4))  | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2004/03/03 08:44 |
| - | 482    | 455/\$.ccls. and ((schedule or egg or ipg or guide) same (creat\$4 or mak\$3 or provid\$3)))  | USPAT                                       | 2004/03/03 10:39 |
| - | 90     | (455/\$.ccls. and ((schedule or egg or ipg or guide) same (creat\$4 or mak\$3 or provid\$3))) and (redundan\$3 or back\$1up or backup)  | USPAT                                       | 2004/03/03 10:39 |
| - | 884    | 348/\$.ccls. and ((schedule or egg or ipg or guide) same (creat\$4 or mak\$3 or provid\$3)))  | USPAT                                       | 2004/03/03 10:39 |
| - | 125    | (348/\$.ccls. and ((schedule or egg or ipg or guide) same (creat\$4 or mak\$3 or provid\$3))) and (redundan\$3 or back\$1up or backup)  | USPAT                                       | 2004/03/03 10:41 |
| - | 102    | ((348/\$.ccls. and ((schedule or egg or ipg or guide) same (creat\$4 or mak\$3 or provid\$3))) and (redundan\$3 or back\$1up or backup)) and (program adj2 guide or ipg or epq or guide or schedule adj2 guide) | USPAT                                       | 2004/03/03 11:35 |
| - | 1      | 5296932.pn.   | USPAT                                       | 2004/03/03 12:35 |
| - | 1      | 5559550.pn.   | USPAT                                       | 2004/03/03 12:35 |
| - | 1      | 5805230.pn.   | USPAT                                       | 2004/03/03 12:45 |
| - | 305    | 348/722.ccls.   | USPAT                                       | 2004/03/03 12:48 |
| - | 4      | 348/722.ccls. and (ipg or epq or 'program guide' or schedule adj2 guide)  | USPAT                                       | 2004/03/03 12:47 |
| - | 1592   | 709/217.ccls.   | USPAT                                       | 2004/03/03 13:00 |
| - | 4321   | 725/\$.ccls.  | USPAT                                       | 2004/03/03 13:04 |
| - | 84     | 709/217.ccls. and 725/\$.ccls.  | USPAT; US-PGPUB                             | 2004/03/03 12:57 |
| - | 14     | (709/217.ccls. and 725/\$.ccls.) and 'program guide'  | USPAT; US-PGPUB                             | 2004/03/03 13:00 |
| - | 1409   | 709/219.ccls.   | USPAT                                       | 2004/03/03 13:00 |
| - | 12     | 709/219.ccls. and 'program guide'   | USPAT; US-PGPUB                             | 2004/03/03 13:05 |
| - | 66     | 725/138.ccls.   | USPAT                                       | 2004/03/03 13:04 |
| - | 19     | 725/138.ccls. and 'program guide'   | USPAT; US-PGPUB                             | 2004/03/03 13:14 |
| - | 1      | 6314571.URPN.   | USPAT                                       | 2004/03/03 13:09 |
| - | 139479 | news america pulications.as.  | USPAT; US-PGPUB                             | 2004/03/03 13:14 |
| - | 1206   | (news america pulications.as.) and 'program guide'  | USPAT; US-PGPUB                             | 2004/03/03 13:14 |

|   |        |   |          |            |
|---|--------|---|----------|------------|
| - | 688    | ((news america publications.as.) and 'program guide') and 725/\$.ccls.  | USPAT;   | 2004/03/03 |
| - | 39     | 5666645.URPN.   | US-PGPUB | 13:14      |
| - | 64     | hendricks.in. and CAP   | USPAT    | 2004/03/03 |
| - | 1      | 6020880.pn.   | USPAT    | 13:15      |
| - | 18     | ("4740912"   "4751578"   "4812843"   "4928177"   "4989174"   "5027400"   "5121476"   "5131020"   "5168353"   "5182555"   "5327498"   "5576755"   "5585838"   "5589892"   "5592551"   "5657072"   "5684525"   "5808694").PN.   | USPAT    | 2004/03/03 |
| - | 218    | (epg or ipg or guide) same (server\$3 or head\$lend or headend or provider) same (broadcast\$3)   | USPAT;   | 14:16      |
| - | 403377 | mitsubishi.as.  | JPO      | 2004/03/03 |
| - | 17     | mitsubishi.as. and (program adj2 guide)   | USPAT;   | 16:26      |
| - | 13     | 386/\$.ccls. and (over\$ltime)  | JPO      | 2004/03/03 |
| - | 1      | (broadcaster same ((ipg or epg) same (produc\$3 or creat\$3)))  | USPAT;   | 14:25      |
| - | 3      | (broadcaster same ((ipg or epg) and (produc\$3 or creat\$3)))   | USPAT;   | 14:25      |
| - | 12     | (epg or ipg or guide) same (server\$3 or head\$lend or headend or provider) same (broadcast\$3)   | JPO      | 14:25      |
| - | 4321   | 725/\$.ccls.  | USPAT;   | 15:17      |
| - | 18     | 725/\$.ccls. and hendricks.in.  | USPAT    | 2004/03/03 |
| - | 15     | (725/\$.ccls. and hendricks.in.) and cap  | USPAT    | 15:52      |
| - | 6301   | (ipg or epg or guide or program\$lguide) same (trigger\$3 or over\$ltime or notif\$3)   | USPAT    | 15:53      |
| - | 40     | ((ipg or epg or guide or program\$lguide) same (trigger\$3 or over\$ltime or notif\$3)) and 725/\$.ccls.  | EPO      | 2004/03/03 |
| - | 3      | ((((ipg or epg or guide or program\$lguide) same (trigger\$3 or over\$ltime or notif\$3)) and 725/\$.ccls.) and over\$ltime   | USPAT    | 16:26      |
| - | 663    | ((ipg or epg or guide or program\$lguide) same (trigger\$3 or over\$ltime or notif\$3)) and (vtr or vcr or tape or record\$3) same (control\$4 or notify\$3)  | USPAT    | 2004/03/04 |
| - | 30     | ((((ipg or epg or guide or program\$lguide) same (trigger\$3 or over\$ltime or notif\$3)) and (vtr or vcr or tape or record\$3) same (control\$4 or notify\$3)) and 725/\$.ccls.  | USPAT    | 08:15      |
| - | 2162   | ((ipg or epg or guide or program\$lguide) same (trigger\$3 or over\$ltime or notif\$3)) and (change or over\$ltime)   | USPAT    | 2004/03/04 |
| - | 20     | ((((ipg or epg or guide or program\$lguide) same (trigger\$3 or over\$ltime or notif\$3)) and (vtr or vcr or tape or record\$3) same (control\$4 or notify\$3)) and 725/\$.ccls.) and ((ipg or epg or guide or program\$lguide) same (trigger\$3 or over\$ltime or notif\$3)) and (change or over\$ltime) | USPAT    | 08:15      |
| - | 4987   | ((ipg or epg or guide or program\$lguide) same (trigger\$3 or over\$ltime or notif\$3)) and (trigger or over\$ltime or notify)  | USPAT    | 2004/03/04 |

|   |      |   |       |                     |
|---|------|---|-------|---------------------|
| - | 1655 | ((ipg or epq or guide or program\$lguide) same (trigger\$3 or over\$1time or notif\$3)) and (change or over\$1time)) and ((ipg or epq or guide or program\$lguide) same (trigger\$3 or over\$1time or notif\$3)) and (trigger or over\$1time or notify))  | USPAT | 2004/03/04<br>16:26 |
| - | 19   | ((ipg or epq or guide or program\$lguide) same (trigger\$3 or over\$1time or notif\$3)) and (vtr or vcr or tape or record\$3) same (control\$4 or notify\$3)) and 725/\$.ccls.) and ((ipg or epq or guide or program\$lguide) same (trigger\$3 or over\$1time or notif\$3)) and (trigger or over\$1time or notify)) | USPAT | 2004/03/04<br>16:27 |
| - | 98   | (ipg or epq or program\$lguide) near5 (server or collector or store or storage)   | USPAT | 2004/03/05<br>08:48 |
| - | 2    | (ipg or epq or program\$lguide) same (version near4 number)   | USPAT | 2004/03/05<br>10:05 |
| - | 236  | (ipg or epq or program\$lguide or schedule) same (step\$1wise or stepwise or periodic) same (update or up\$1date or event or change or overtime or over\$1time)   | USPAT | 2004/03/08<br>14:05 |
| - | 25   | ((ipg or epq or program\$lguide or schedule) same (step\$1wise or stepwise or periodic) same (update or up\$1date or event or change or overtime or over\$1time)) and 725/\$.ccls.  | USPAT | 2004/03/08<br>14:02 |
| - | 6    | ((ipg or epq or program\$lguide or schedule) same (step\$1wise or stepwise or periodic) same (update or up\$1date or event or change or overtime or over\$1time)) and (over\$1time or overtime or (unschedule\$1 near2 change\$1))  | USPAT | 2004/03/08<br>14:02 |
| - | 77   | ((ipg or epq or program\$lguide or schedule) same (step\$1wise or stepwise or periodic) same (update or up\$1date or event or change or overtime or over\$1time)) and (head\$1end or headend or server)   | USPAT | 2004/03/08<br>14:05 |
| - | 1450 | (head\$1end or headend or server) same (ipg or epq or schedule or program\$lguide)  | USPAT | 2004/03/08<br>14:06 |
| - | 39   | ((ipg or epq or program\$lguide or schedule) same (step\$1wise or stepwise or periodic) same (update or up\$1date or event or change or overtime or over\$1time)) and (head\$1end or headend or server)) and ((head\$1end or headend or server) same (ipg or epq or schedule or program\$lguide))                   | USPAT | 2004/03/08<br>14:06 |
| - | 567  | (over\$1time or overtime) and (record or preserve or store or vcr or vtr or dvr or pvr)   | USPAT | 2004/03/08<br>14:24 |
| - | 9    | ((over\$1time or overtime) and (record or preserve or store or vcr or vtr or dvr or pvr) ) and 725/\$.ccls.   | USPAT | 2004/03/08<br>15:29 |
| - | 51   | 725/50.ccls.  | USPAT | 2004/03/09<br>08:42 |
| - | 1    | 725/50.ccls. and (overtime or over\$1time or unschedule\$1 or (unschedule\$1 near3 change))   | USPAT | 2004/03/09<br>08:43 |
| - | 318  | (guide or ipg or epq or schedule\$1data) same (check\$3 with section)   | USPAT | 2004/03/29<br>11:51 |
| - | 4    | ((guide or ipg or epq or schedule\$1data) same (check\$3 with section)) and 725/\$.ccls.  | USPAT | 2004/03/29<br>11:51 |
| - | 7619 | (guide or ipg or epq or schedule\$1data) same (check\$3)  | USPAT | 2004/03/29<br>11:51 |
| - | 112  | ((guide or ipg or epq or schedule\$1data) same (check\$3)) and 725/\$.ccls.   | USPAT | 2004/03/29<br>11:52 |

|   |     |   |       |                     |
|---|-----|---|-------|---------------------|
| - | 748 | 725/39-61.ccls.   | USPAT | 2004/03/29<br>11:52 |
| - | 92  | ((guide or ipg or epq or schedule\$1data)<br>same (check\$3)) and 725/39-61.ccls.   | USPAT | 2004/03/29<br>11:52 |
| - | 17  | ((((guide or ipg or epq or schedule\$1data)<br>same (check\$3)) and 725/39-61.ccls.) and<br>(check\$3 same ((ipg or epq) with data)))   | USPAT | 2004/03/30<br>14:07 |
| - | 27  | ((((guide or ipg or epq or schedule\$1data)<br>with (check\$3))) and (check\$3 same ((ipg<br>or epq) with data)))   | USPAT | 2004/03/30<br>14:20 |
| - | 3   | ((((guide or ipg or epq or schedule\$1data)<br>near6 (suppl\$3 or vendor\$3) with<br>(check\$3))) and (check\$3 same ((ipg or<br>epq) with data)))  | USPAT | 2004/03/30<br>14:31 |
| - | 333 | ((EPG or IPG) or ((program or TV or<br>television or menu) adj3 (guide\$1 or<br>listing\$1 or schedul\$3))) with (verif\$7<br>or check\$3 or confirm\$3 or validat\$3)  | USPAT | 2004/03/30<br>15:47 |
| - | 16  | ((EPG or IPG) or ((program or TV or<br>television or menu) adj3 (guide\$1 or<br>listing\$1 or schedul\$3))) with (verif\$7<br>or check\$3 or confirm\$3 or validat\$3))<br>and ((EPG or IPG) with (vendor\$3 or<br>suppl\$4))   | USPAT | 2004/03/30<br>14:34 |
| - | 20  | ((EPG or IPG) or ((program or TV or<br>television or menu) adj3 (guide\$1 or<br>listing\$1 or schedul\$3))) same ((suppl\$3<br>or vend\$3) with (verif\$7 or check\$3 or<br>confirm\$3 or validat\$3))                          | USPAT | 2004/03/30<br>15:35 |
| - | 957 | ((EPG or IPG) or ((program or TV or<br>television or menu) adj3 (guide\$1 or<br>listing\$1 or schedul\$3))) same ((suppl\$3<br>or vend\$3) with2 (other\$1 or<br>broadcaster\$1))   | USPAT | 2004/03/30<br>15:36 |
| - | 4   | ((EPG or IPG) or ((program or TV or<br>television or menu) adj3 (guide\$1 or<br>listing\$1 or schedul\$3))) same ((suppl\$3<br>or vend\$3) with (other\$1 or<br>broadcaster\$1))  | USPAT | 2004/03/30<br>15:36 |
| - | 320 | ((EPG or IPG) or ((program or TV or<br>television or menu) adj3 (guide\$1 or<br>listing\$1 or schedul\$3))) same ((suppl\$3<br>or vend\$3) with2 (other\$1 or<br>broadcaster\$1))) and 725/\$.ccls.                             | USPAT | 2004/03/30<br>15:37 |
| - | 140 | ((EPG or IPG) or ((program or TV or<br>television or menu) adj3 (guide\$1 or<br>listing\$1 or schedul\$3))) same ((suppl\$3<br>or vend\$3) with2 (other\$1 or<br>broadcaster\$1))) and<br>725/47-49,39,44,114-117.ccls.         | USPAT | 2004/03/30<br>15:47 |
| - | 84  | ((EPG or IPG) or ((program or TV or<br>television or menu) adj3 (guide\$1 or<br>listing\$1 or schedul\$3))) with (other\$1<br>or broadcaster\$1 or other\$1broadcaster\$1)  | USPAT | 2004/03/30<br>16:26 |
| - | 3   | ((EPG or IPG) or ((program or TV or<br>television or menu) adj3 (guide\$1 or<br>listing\$1 or schedul\$3))) with (other\$1<br>or broadcaster\$1 or other\$1broadcaster\$1)  | JPO   | 2004/03/30<br>15:48 |
| - | 50  | ((EPG or IPG) or ((program or TV or<br>television or menu) adj3 (guide\$1 or<br>listing\$1 or schedul\$3))) with (other\$1<br>or other\$1broadcaster\$1)  | USPAT | 2004/03/30<br>16:25 |
| - | 0   | ((EPG or IPG) or ((program or TV or<br>television or menu) adj3 (guide\$1 or<br>listing\$1 or schedul\$3))) and<br>(other\$1broadcaster\$1 or (other near5<br>(IPG or EPG or program\$1guide) same<br>(suppl\$4 or vendor\$1))) | USPAT | 2004/03/30<br>16:22 |
| - | 301 | 725/143-147.ccls.   | USPAT | 2004/03/30<br>16:26 |

|   |      |  |       |                     |
|---|------|--|-------|---------------------|
| - | 9091 | ((EPG or IPG) or ((program or TV or television or menu) adj3 (guide\$1 or listing\$1 or schedul\$3)))  | USPAT | 2004/03/30<br>16:26 |
| - | 23   | 725/143-147.ccls. and ((EPG or IPG) or ((program or TV or television or menu) adj3 (guide\$1 or listing\$1 or schedul\$3))) )  | USPAT | 2004/03/31<br>09:25 |
| - | 14   | ("5027400"   "5099319"   "5283639"   "5412416"   "5600573"   "5659350"   "6266813"   "6271886"   "6378129"   "6389593"   "6401242"   "6442326"   "6460018"   "6526575").PN.  | USPAT | 2004/03/30<br>16:32 |
| - | 4044 | 725/\$.ccls. and ((EPG or IPG) or ((program or TV or television or menu) adj3 (guide\$1 or listing\$1 or schedul\$3))) same2 (first or prior\$3) )   | USPAT | 2004/03/31<br>09:35 |
| - | 27   | (725/\$.ccls. and ((EPG or IPG) or ((program or TV or television or menu) adj3 (guide\$1 or listing\$1 or schedul\$3))) same2 (first or prior\$3) ) and 725/48.ccls.   | USPAT | 2004/03/31<br>09:38 |
| - | 647  | (725/\$.ccls. and ((EPG or IPG) or ((program or TV or television or menu) adj3 (guide\$1 or listing\$1 or schedul\$3))) same2 (first or prior\$3) ) and (vcr or vtr or record\$5 or preserv\$6 or pvr or dvr) with (chang\$3 or reserv\$6 or schedul\$3 or un\$lschedul\$3)  | USPAT | 2004/03/31<br>09:36 |
| - | 6    | ((725/\$.ccls. and ((EPG or IPG) or ((program or TV or television or menu) adj3 (guide\$1 or listing\$1 or schedul\$3))) same2 (first or prior\$3) ) and (vcr or vtr or record\$5 or preserv\$6 or pvr or dvr) with (chang\$3 or reserv\$6 or schedul\$3 or un\$lschedul\$3)) and 725/48.ccls.   | USPAT | 2004/03/31<br>09:29 |
| - | 1064 | 725/\$.ccls. and ((EPG or IPG) or ((program or TV or television or menu) adj3 (guide\$1 or listing\$1 or schedul\$3))) same2 (un\$lschedul\$3 near2 (adjust\$6 or chang\$3)) )   | USPAT | 2004/03/31<br>09:36 |
| - | 370  | (725/\$.ccls. and ((EPG or IPG) or ((program or TV or television or menu) adj3 (guide\$1 or listing\$1 or schedul\$3))) same2 (un\$lschedul\$3 near2 (adjust\$6 or chang\$3)) ) and ((vcr or vtr or record\$5 or preserv\$6 or pvr or dvr) with (chang\$3 or reserv\$6 or schedul\$3 or un\$lschedul\$3))  | USPAT | 2004/03/31<br>09:37 |
| - | 0    | ((725/\$.ccls. and ((EPG or IPG) or ((program or TV or television or menu) adj3 (guide\$1 or listing\$1 or schedul\$3))) same2 (un\$lschedul\$3 near2 (adjust\$6 or chang\$3)) ) and ((vcr or vtr or record\$5 or preserv\$6 or pvr or dvr) with (chang\$3 or reserv\$6 or schedul\$3 or un\$lschedul\$3))) and ((un\$lschedul\$3 near2 (adjust\$6 or chang\$3))) same (vcr or vtr or record\$5 or preserv\$6 or pvr or dvr)   | USPAT | 2004/03/31<br>09:38 |
| - | 0    | ((725/\$.ccls. and ((EPG or IPG) or ((program or TV or television or menu) adj3 (guide\$1 or listing\$1 or schedul\$3))) same2 (un\$lschedul\$3 near2 (adjust\$6 or chang\$3)) ) and ((vcr or vtr or record\$5 or preserv\$6 or pvr or dvr) with (chang\$3 or reserv\$6 or schedul\$3 or un\$lschedul\$3))) and (((un\$lschedul\$3 near2 (adjust\$6 or chang\$3))) same (vcr or vtr or record\$5 or preserv\$6 or pvr or dvr)) | USPAT | 2004/03/31<br>09:38 |

|   |   |   |       |                     |
|---|---|---|-------|---------------------|
| - | 6 | ((725/\$.ccls. and (((EPG or IPG) or<br>((program or TV or television or menu)<br>adj3 (guide\$1 or listing\$1 or<br>schedul\$3))) same2 (un\$lschedul\$3 near2<br>(adjust\$6 or chang\$3)) ) ) and ((vcr or<br>vtr or record\$5 or preserv\$6 or pvr or<br>dvr) with (chang\$3 or reserv\$6 or<br>schedul\$3 or un\$lschedul\$3))) and<br>725/48.ccls. | USPAT | 2004/03/31<br>09:54 |
| - | 3 | (unschedul\$3 near2 chang\$3) same<br>(record\$3 or vcr or vtr or pvr)  | USPAT | 2004/03/31<br>09:54 |
| - | 8 | ("4541008"   "5155591"   "5200823"  <br>"5371547"   "5563892"   "5600378"  <br>"5619274"   "5642153").PN.   | USPAT | 2004/03/31<br>09:55 |